

PPCPs (Pharmaceuticals and Personal Care Products): **Propofol**

Propofol is a general anesthetic given to patients before a surgical procedure. Propofol increases the potency of certain brain transmitters (GABA) in the human nervous system which relaxes the recipient (Eilers and Yost 2012).

From the 2 studies collected by ECOTOX in April 2016, the drug is shown to have a similar effect of aquatic organisms.

Reported effects of propofol from toxicity literature in the ECOTOX database (as of April 2016)

Aquatic Life	Reported Most Common effect(s)	Reported Common study endpoint(s)	Reported Toxicity Value (LOEC, NOEC, EC50, LC50)
Nile Tilapia	No effect in low dosage	Genotoxic, Mutagenic	NA
African clawed Frog	Reflex loss, GABA-evoked responses	Anesthetic Potencies	EC50: 1.9 ± uM LC50: 30-100 uM (Krasowski 2001)

Eilers, H. and S. Yost (2012) General anesthetics in B.G. Katzung, S.B. Masters, A.J. Trevor, 12 Eds. Basic and clinical pharmacology. McGraw Hill. New York, NY, pp. 438-441